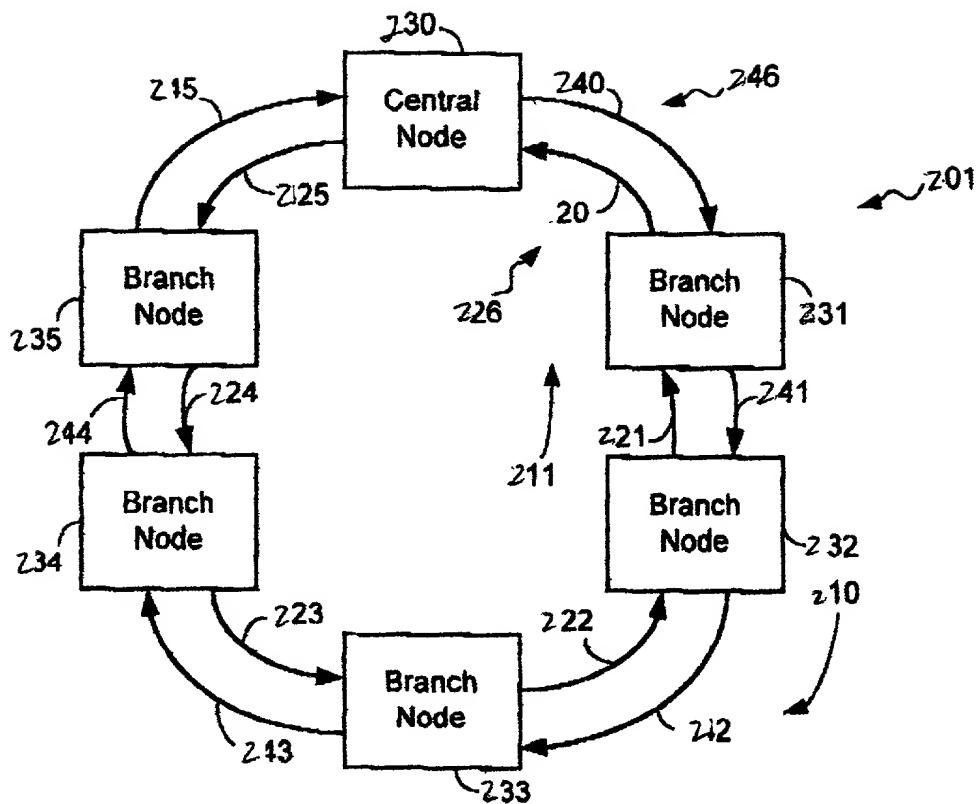


**Fig. 1**



**Fig. 2**

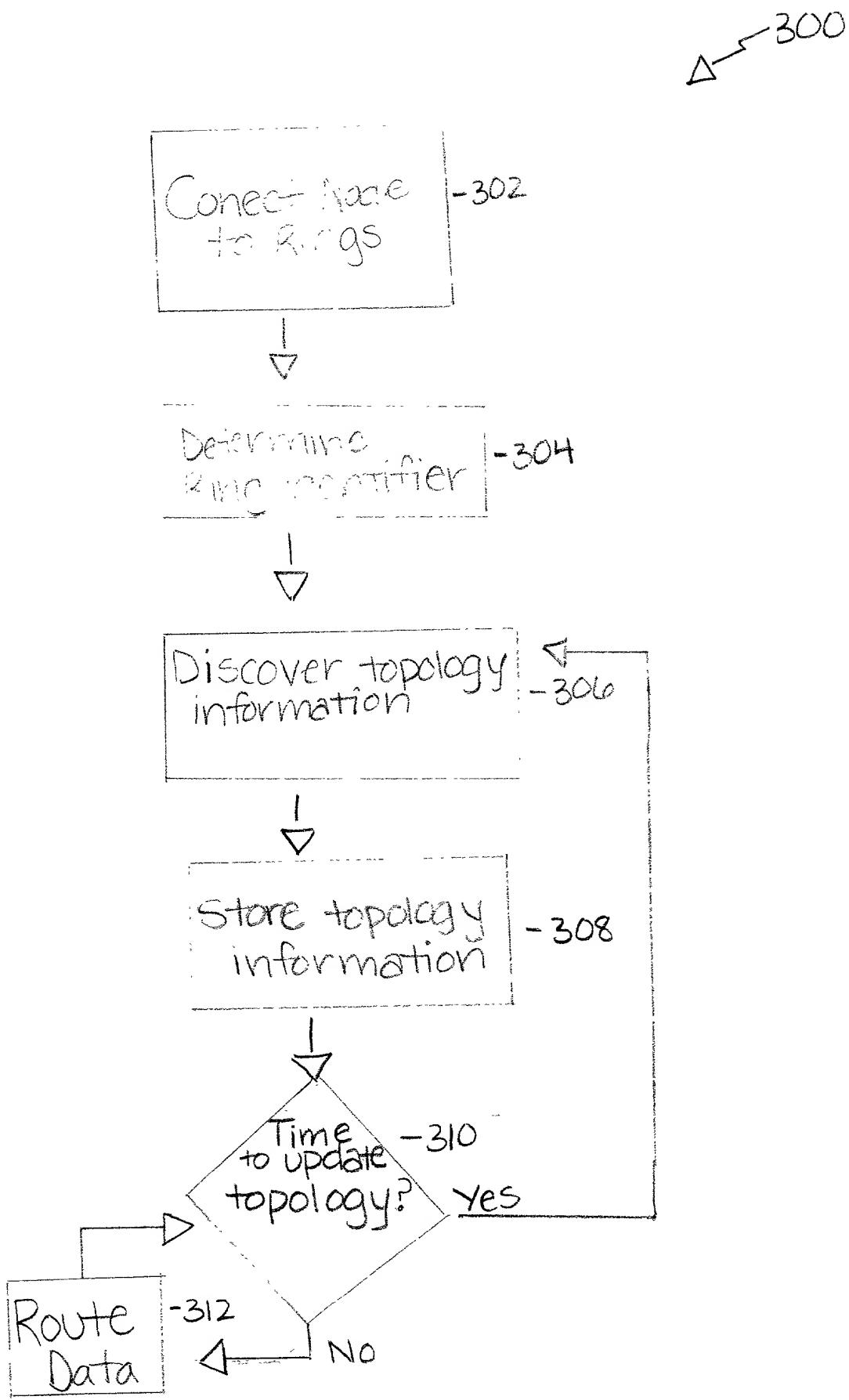


Fig 3a.

Assign local ring  
identifier to ring

-322

Construct packet

-324

Send packet

-326

328-  
receive  
packet  
?

No

yes  
store/update  
data

-330

Route packets in  
accordance with  
data

-332

Fig 3b.

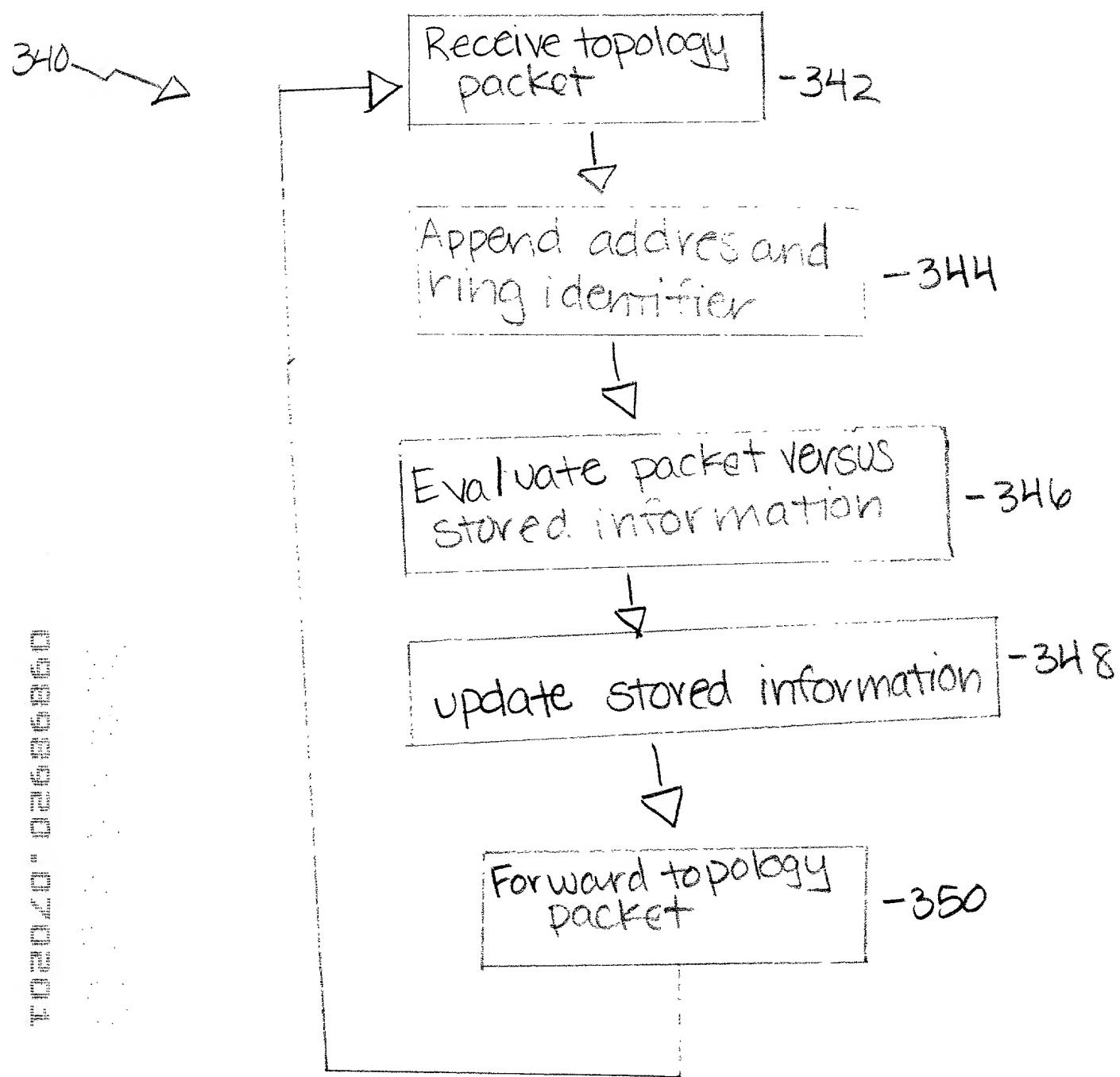


Fig 3c

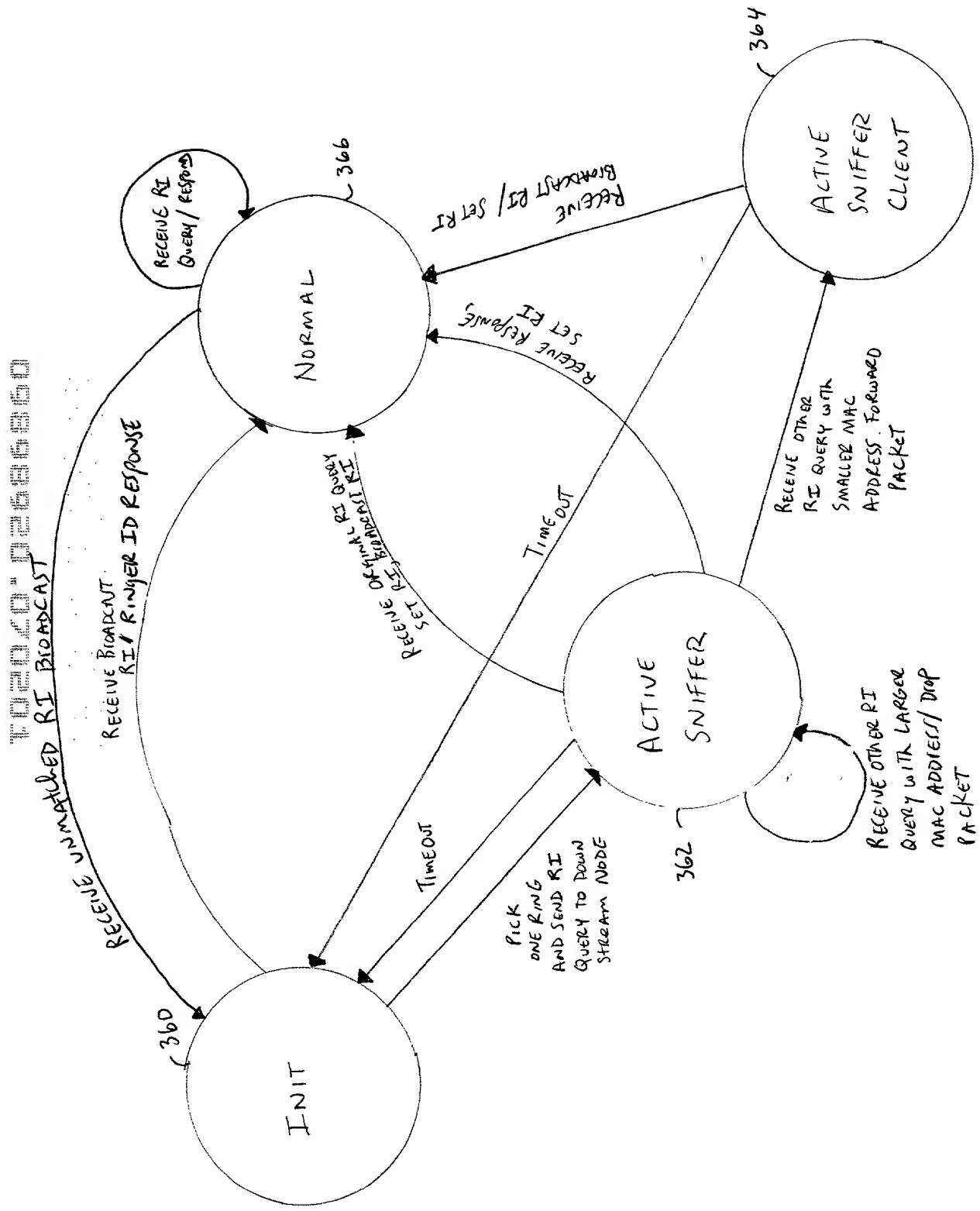
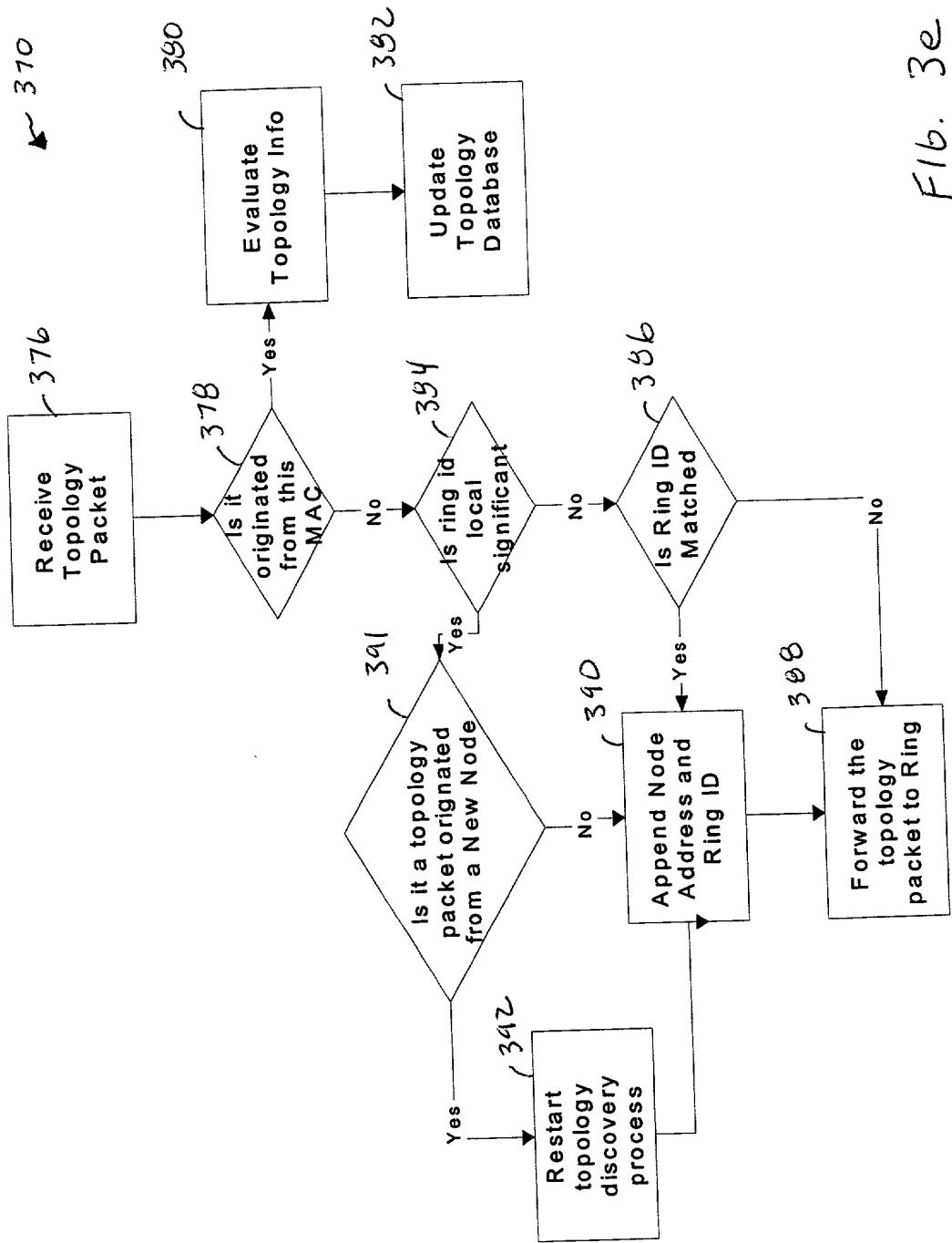


Fig. 3d



F16. 3e

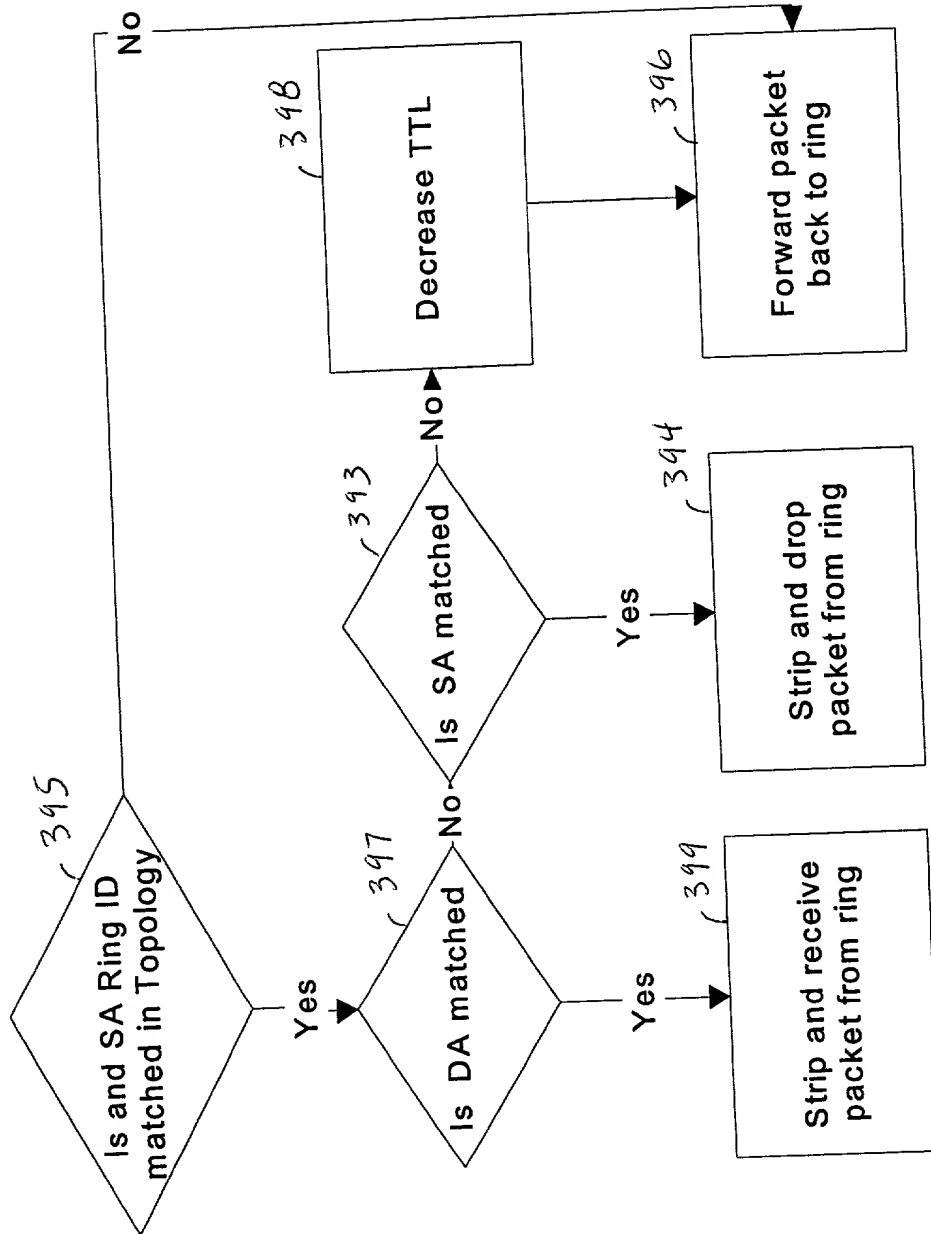
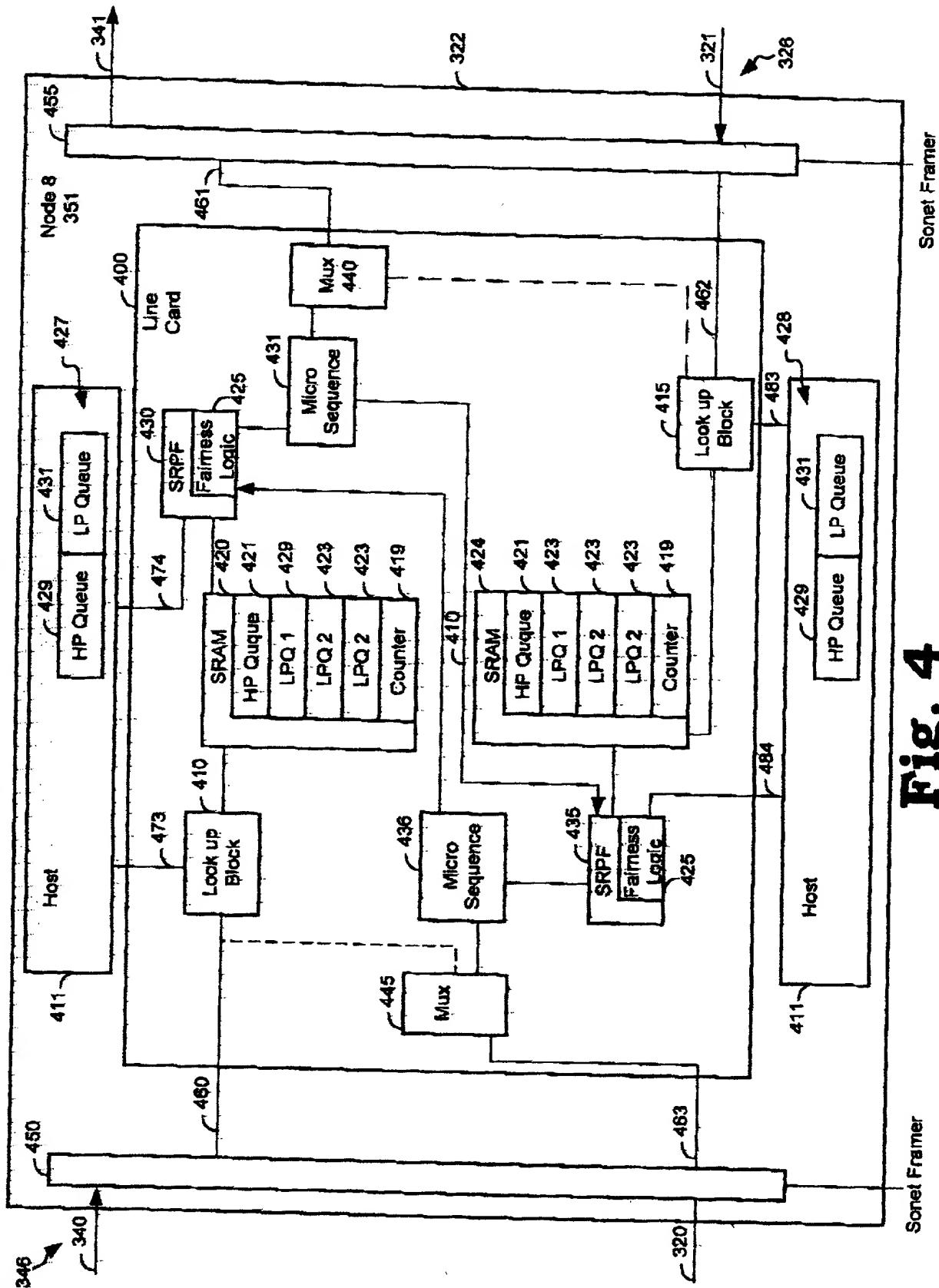


Fig. 3f



**Fig. 4**

Sonet Framer

| Address<br>(MAC, IP) | Hop Count<br>INNER | Hop Count<br>OUTER | Latency<br>INNER | Latency<br>OUTER | Static<br>Ring<br>Direction | Dynamic<br>Ring<br>Direction | Ring<br>ID<br>INNER | Ring<br>ID<br>OUTER |
|----------------------|--------------------|--------------------|------------------|------------------|-----------------------------|------------------------------|---------------------|---------------------|
| 12.23.46             | 10                 | 8                  | 1234             | 1456             | T                           | 0                            | T                   | 0                   |
| 12.23.47             | 9                  | 9                  | 1200             | 1400             | T                           | T                            | T                   | 0                   |

Fig. 5